

#### **DETAILED ACTION**

Applicant's response on October 29, 2008 to the Office Action dated August 20, 2008 is acknowledged. Claims 8-14 have been withdrawn as being part of non-elected claims. Claims 1 and 6 been amended. Claims 1-7 are present for examination.

#### ***Priority***

Receipt of foreign priority is acknowledged with the papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

**All objections and rejections from the previous Office Action have been withdrawn.**

#### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William R. Schmidt, II on December 9, 2008.

**Withdrawn claim 8 is hereby rejoined with claims 1-7. Claim 8 has been amended.**

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8. (Amended). A method for detecting and quantifying a lipid second messenger, comprising:

~~co-existing~~ contacting the probe with the lipid second messenger of claim 1; and measuring changes in fluorescence spectra.

Claims 1-8 are allowed.

Cancel claims 9-14.

**Reason for allowance**

A probe comprising three rigid linkers wherein a first linker links a chromophore to a polypeptide that binds to a lipid second messenger which in turn is linked to a second chromophore through a second rigid linker which contains a flexible hinge where the second chromophore is in turn linked to a membrane localization signal through a third linker is not anticipated by the prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KAGNEW H. GEBREYESUS whose telephone number is (571)272-2937. The examiner can normally be reached on 8:30am-5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jon Weber can be reached on 571-272-0925. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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/Kagnew H Gebreyesus/  
Examiner, Art Unit 1656

/Andrew D Kosar/  
Primary Examiner, Art Unit 1654